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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/002,485DATE: 02/07/98
TIME: 14:21:12

INPUT SET: S23256.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING
2
3 (1) General Information:
4
5
6 (i) APPLICANT: Lal, Preeti
7 Hillman, Jennifer L.
8 Corley, Neil C.
9 Guegler, Karl J.
10 Baugh, Mariah
11 Sather, Susan
12 Shah, Purvi
13
14 (ii) TITLE OF INVENTION: HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS
15
16
17 (iii) NUMBER OF SEQUENCES: 154
18
19 (iv) CORRESPONDENCE ADDRESS:
20 (A) ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
21 (B) STREET: 3174 PORTER DRIVE
22 (C) CITY: PALO ALTO
23 (D) STATE: CALIFORNIA
24 (E) COUNTRY: USA
25 (F) ZIP: 94304
26
27
28 (v) COMPUTER READABLE FORM:
29 (A) MEDIUM TYPE: Floppy disk
30 (B) COMPUTER: IBM PC compatible
31 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
32 (D) SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
33
34
35 (vi) CURRENT APPLICATION DATA:
36 (A) APPLICATION NUMBER: TO BE ASSIGNED
37 (B) FILING DATE: HEREWITH
38 (C) CLASSIFICATION:
39
40
41 (viii) ATTORNEY/AGENT INFORMATION:
42 (A) NAME: BILLINGS, LUCY J.
43 (B) REGISTRATION NUMBER: 36,749
44 (C) REFERENCE/DOCKET NUMBER: PF-0459 US
45
46

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/002,485DATE: 02/07/98
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47 (ix) TELECOMMUNICATION INFORMATION:
48 (A) TELEPHONE: (650) 855-0555
49 (B) TELEFAX: (650) 845-4166

50

51

52

53 (2) INFORMATION FOR SEQ ID NO: 1:

54

55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH: 348 amino acids
57 (B) TYPE: amino acid
58 (C) STRANDEDNESS: single
59 (D) TOPOLOGY: linear

60

61 (vii) IMMEDIATE SOURCE:
62 (A) LIBRARY: HEARNOT01
63 (B) CLONE: 305841

64

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1 :

66

67 Met Ala Ala Thr Leu Gly Pro Leu Gly Ser Trp Gln Gln Trp Arg
68 5 10 15
69 Arg Cys Leu Ser Ala Arg Asp Gly Ser Arg Met Leu Leu Leu Leu
70 20 25 30
71 Leu Leu Leu Gly Ser Gly Gln Gly Pro Gln Gln Val Gly Ala Gly
72 35 40 45
73 Gln Thr Phe Glu Tyr Leu Lys Arg Glu His Ser Leu Ser Lys Pro
74 50 55 60
75 Tyr Gln Gly Val Gly Thr Gly Ser Ser Ser Leu Trp Asn Leu Met
76 65 70 75
77 Gly Asn Ala Met Val Met Thr Gln Tyr Ile Arg Leu Thr Pro Asp
78 80 85 90
79 Met Gln Ser Lys Gln Gly Ala Leu Trp Asn Arg Val Pro Cys Phe
80 95 100 105
81 Leu Arg Asp Trp Glu Leu Gln Val His Phe Lys Ile His Gly Gln
82 110 115 120
83 Gly Lys Lys Asn Leu His Gly Asp Gly Leu Ala Ile Trp Tyr Thr
84 125 130 135
85 Lys Asp Arg Met Gln Pro Gly Pro Val Phe Gly Asn Met Asp Lys
86 140 145 150
87 Phe Val Gly Leu Gly Val Phe Val Asp Thr Tyr Pro Asn Glu Glu
88 155 160 165
89 Lys Gln Gln Glu Arg Val Phe Pro Tyr Ile Ser Ala Met Val Asn
90 170 175 180
91 Asn Gly Ser Leu Ser Tyr Asp His Glu Arg Asp Gly Arg Pro Thr
92 185 190 195
93 Glu Leu Gly Gly Cys Thr Ala Ile Val Arg Asn Leu His Tyr Asp
94 200 205 210
95 Thr Phe Leu Val Ile Arg Tyr Val Lys Arg His Leu Thr Ile Met
96 215 220 225
97 Met Asp Ile Asp Gly Lys His Glu Trp Arg Asp Cys Ile Glu Val
98 230 235 240
99 Pro Gly Val Arg Leu Pro Arg Gly Tyr Tyr Phe Gly Thr Ser Ser

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/002,485

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100 245 250 255
101 Ile Thr Gly Asp Leu Ser Asp Asn His Asp Val Ile Ser Leu Lys
102 260 265 270
103 Leu Phe Glu Leu Thr Val Glu Arg Thr Pro Glu Glu Glu Lys Leu
104 275 280 285
105 His Arg Asp Val Phe Leu Pro Ser Val Asp Asn Met Lys Leu Pro
106 290 295 300
107 Glu Met Thr Ala Pro Leu Pro Pro Leu Ser Gly Leu Ala Leu Phe
108 305 310 315
109 Leu Ile Val Phe Phe Ser Leu Val Phe Ser Val Phe Ala Ile Val
110 320 325 330
111 Ile Gly Ile Ile Leu Tyr Asn Lys Trp Gln Glu Gln Ser Arg Lys
112 335 340 345
113 Arg Phe Tyr
114
115
116
117

118 (2) INFORMATION FOR SEQ ID NO: 2:

119
120 (i) SEQUENCE CHARACTERISTICS:
121 (A) LENGTH: 194 amino acids
122 (B) TYPE: amino acid
123 (C) STRANDEDNESS: single
124 (D) TOPOLOGY: linear
125

126 (vii) IMMEDIATE SOURCE:
127 (A) LIBRARY: EOSIHET02
128 (B) CLONE: 322866
129

130 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2 :

131
132 Met Gly Met Ser Ser Leu Lys Leu Leu Lys Tyr Val Leu Phe Phe
133 5 10 15
134 Phe Asn Leu Leu Phe Trp Ile Cys Gly Cys Cys Ile Leu Gly Phe
135 20 25 30
136 Gly Ile Tyr Leu Leu Ile His Asn Asn Phe Gly Val Leu Phe His
137 35 40 45
138 Asn Leu Pro Ser Leu Thr Leu Gly Asn Val Phe Val Ile Val Gly
139 50 55 60
140 Ser Ile Ile Met Val Val Ala Phe Leu Gly Cys Met Gly Ser Ile
141 65 70 75
142 Lys Glu Asn Lys Cys Leu Leu Met Ser Phe Phe Ile Leu Leu Leu
143 80 85 90
144 Ile Ile Leu Leu Ala Glu Val Thr Leu Ala Ile Leu Leu Phe Val
145 95 100 105
146 Tyr Glu Gln Lys Leu Asn Glu Tyr Val Ala Lys Gly Leu Thr Asp
147 110 115 120
148 Ser Ile His Arg Tyr His Ser Asp Asn Ser Thr Lys Ala Ala Trp
149 125 130 135
150 Asp Ser Ile Gln Ser Phe Leu Gln Cys Cys Gly Ile Asn Gly Thr
151 140 145 150
152 Ser Asp Leu Asp Ser Gly Ser Pro Ala Ser Cys Pro Ser Asp Arg

RAW SEQUENCE LISTING
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153	155	160	165
154	Lys Val Glu Gly Cys Tyr Ala Lys Glu Asp Phe Gly Phe Ile Gln		
155	170	175	180
156	Phe Pro Val Tyr Arg Asn His His His Leu Cys Met Cys Asp		
157	185	190	

158

159

160

161

162 (2) INFORMATION FOR SEQ ID NO: 3:

163

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 342 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

169

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: BEPINOT01
- (B) CLONE: 546656

173

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3 :

175

176	Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala		
177	5	10	15
178	Pro Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys		
179	20	25	30
180	Arg Phe Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn		
181	35	40	45
182	Lys Val Gln Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile		
183	50	55	60
184	Cys Arg Asn Thr Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met		
185	65	70	75
186	Trp Ile Pro Asp Thr Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr		
187	80	85	90
188	Ser Gly Asp Tyr Leu Arg Val Trp Arg Val Gly Glu Thr Glu Thr		
189	95	100	105
190	Arg Leu Glu Cys Leu Leu Asn Asn Asn Lys Asn Ser Asp Phe Cys		
191	110	115	120
192	Ala Pro Leu Thr Ser Phe Asp Trp Asn Glu Val Asp Pro Tyr Leu		
193	125	130	135
194	Leu Gly Thr Ser Ser Ile Asp Thr Thr Cys Thr Ile Trp Gly Leu		
195	140	145	150
196	Glu Thr Gly Gln Val Leu Gly Arg Val Asn Leu Val Ser Gly His		
197	155	160	165
198	Val Lys Thr Gln Leu Ile Ala His Asp Lys Glu Val Tyr Asp Ile		
199	170	175	180
200	Ala Phe Ser Arg Ala Gly Gly Arg Asp Met Phe Ala Ser Val		
201	185	190	195
202	Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His Leu Glu		
203	200	205	210
204	His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu Leu		
205	215	220	225

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/002,485DATE: 02/07/98
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206 Arg Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met
207 230 235 240
208 Ala Met Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro
209 245 250 255
210 Cys Thr Pro Val Ala Arg Leu Asn Asn His Arg Ala Cys Val Asn
211 260 265 270
212 Gly Ile Ala Trp Ala Pro His Ser Ser Cys His Ile Cys Thr Ala
213 275 280 285
214 Ala Asp Asp His Gln Ala Leu Ile Trp Asp Ile Gln Gln Met Pro
215 290 295 300
216 Arg Ala Ile Glu Asp Pro Ile Leu Ala Tyr Thr Ala Glu Gly Glu
217 305 310 315
218 Ile Asn Asn Val Gln Trp Ala Ser Thr Gln Pro Asp Trp Ile Ala
219 320 325 330
220 Ile Cys Tyr Asn Asn Cys Leu Glu Ile Leu Arg Val
221 335 340

222

223

224

225

226 (2) INFORMATION FOR SEQ ID NO: 4:

227

228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 656 amino acids
230 (B) TYPE: amino acid
231 (C) STRANDEDNESS: single
232 (D) TOPOLOGY: linear

233

234 (vii) IMMEDIATE SOURCE:
235 (A) LIBRARY: SYNORAT03
236 (B) CLONE: 693453

237

238 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4 :

239

240 Met Glu Glu Leu Asp Gly Glu Pro Thr Val Thr Leu Ile Pro Gly
241 5 10 15
242 Val Asn Ser Lys Lys Asn Gln Met Tyr Phe Asp Trp Gly Pro Gly
243 20 25 30
244 Glu Met Leu Val Cys Glu Thr Ser Phe Asn Lys Lys Glu Lys Ser
245 35 40 45
246 Glu Met Val Pro Ser Cys Pro Phe Ile Tyr Ile Ile Arg Lys Asp
247 50 55 60
248 Val Asp Val Tyr Ser Gln Ile Leu Arg Lys Leu Phe Asn Glu Ser
249 65 70 75
250 His Gly Ile Phe Leu Gly Leu Gln Arg Ile Asp Glu Glu Leu Thr
251 80 85 90
252 Gly Lys Ser Arg Lys Ser Gln Leu Val Arg Val Ser Lys Asn Tyr
253 95 100 105
254 Arg Ser Val Ile Arg Ala Cys Met Glu Glu Met His Gln Val Ala
255 110 115 120
256 Ile Ala Ala Lys Asp Pro Ala Asn Gly Arg Gln Phe Ser Ser Gln
257 125 130 135
258 Val Ser Ile Leu Ser Ala Met Glu Leu Ile Trp Asn Leu Cys Glu

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/09/002,485**

DATE: 02/07/98
TIME: 14:21:31

INPUT SET: S23256.raw

Line	Error	Original Text
36	Wrong application Serial Number	(A) APPLICATION NUMBER: TO BE ASSIGNED